

XV.—On some new *Francolins* and a new *Hornbill* discovered by Mr. F. J. Jackson in Eastern Africa. By W. R. OGILVIE-GRANT.

I. *FRANCOLINUS JACKSONI*, sp. nov.

Forehead, lores, and fore part of cheeks dull red. Chin and upper part of throat white, with narrow rufous shaft-streaks. Superciliary stripes, hinder part of cheeks, and lower part of neck the same, but with wider rufous shaft-streaks. Top of the head and nape reddish brown, with narrow black and grey vermiculated margins. Ear-coverts light brown. Neck, chest, breast, and belly bright chestnut, each feather margined on both sides with white, speckled in some with black. Feathers of the upper back with darker chestnut centres, and black and grey vermiculated margins, the chestnut gradually disappearing towards the lower back and on the shoulders, where the whole feathers are finely vermiculated with black and grey, and only brownish-red towards the middle. Lower back, wings, and rump brown, inclining to sienna on the outer wing-coverts, upper tail-coverts, and tail. Feathers of the sides, flanks, lower belly, and under tail-coverts with dark chestnut centres, widely margined with black and grey vermiculations. A pair of strong spurs, supplemented by a second blunt knob on the left tarsus. Total length 15·5 inches, wing 9·1, tail 5·2, tarsus 2·8, culmen 1·2.

The tip of the second primary-quill falls between the ninth and tenth in length, and the sixth is slightly longer than the fifth and seventh. The type specimen is labelled as follows :—

“♂ adult. Irides brown; eyelids coral-red. Bill dark coral-red. Legs in front of tibia coral-red; hinder part dusky. August.” (*F. J. Jackson.*)

A second rather younger male, with the tarsi armed with a pair of blunt knobs, differs slightly from the above in its somewhat smaller size, and in having the outer web of the secondary quills and the tail-feathers brighter rufous. Total length 14·7 inches, wing 8·7, tail 4·8, tarsus 2·6, culmen 1·1.

The full number of tail-feathers is no doubt 14.

This specimen is labelled :—

“ ♂. Bill dark coral-red. Eyelids lighter ditto. Legs, front of tibia coral-red, behind darker. Irides brown. September.”

This new and splendid Francolin I have the pleasure of naming after its discoverer, the indefatigable naturalist, Mr. F. J. Jackson, F.Z.S. It is strikingly distinct, and, so far as I am aware, perfectly unlike any Francolin hitherto described. The only species at all allied to it is *F. schuetti*, which it resembles in the style of plumage and in having the bill coral-red, but it is quite different, while in size it is equal to *F. erkelii*.

Two adult male specimens were obtained by Mr. Jackson in Kikuyu. The older specimen is the type of the present description.

2. *FRANCOLINUS GEDGII*, sp. nov.

Adult male. Top of the head and upper parts rich dark brown; lores black; a superciliary white stripe commences behind the nostrils, and is prolonged on either side of the head. A black patch above the gape edged above with white, ear-coverts rufous; feathers on the sides of the head and neck white with wide black centres. Chin and throat pure white. Feathers on the back and sides of the neck, back, and wing-coverts margined on either side with white, those of the lower back with an olive-brown patch on either side of the extremity; rump and upper tail-coverts olive-brown with dark centres, the latter irregularly edged and marked with buff. Chest and rest of underparts pale buff, with wide black shaft-streaks; some of the feathers of the sides and flanks ornamented in addition with an oval chestnut patch, edged internally with black on the margin of either web. Wings dark brown; outer primaries, with the terminal part of the outer web margined, and the basal part barred with buff, the greater part of the terminal half of the inner web is also buff; rest of the primaries and the secondaries are marked, barred, and irregularly margined with buff. Tail dark brown, with narrow wavy bars and margins of pale buff.

The bill appears to have been darkish horny black, orange at the gape; and the bare patch before and behind the eye orange-red.

Wing 7·5 inches, tail 2·8, tarsus 2·4.

The specimen here described was collected by Mr. Gedge, Mr. Jackson's colleague, in whose honour I have named it.

It is labelled as follows :—

“♂. Elgon-plains. Legs brown in front, reddish brown behind. Irides dark brown. 2. ii. 90.”

This Francolin belongs to the group containing *F. clapper-toni* and *F. rueppelli*, and most probably *F. hartlaubi*; but I have never seen a specimen of the last-named species, which was described from an immature male obtained at Huilla, W. Africa. From the description, however, it would appear that *F. hartlaubi* is closely allied to the first two as well as to the present species. All these Francolins belong to a group characterized by having the outer webs of the outer primaries (which are dark brown) margined on the terminal half and *barred on the basal half with buff*, and either the terminal part of the inner webs almost entirely buff, as in *F. clapper-toni* and *F. gedgii*, or largely barred and marked with that colour, as in *F. rueppelli* and *F. hartlaubi*. Every feather of the breast and underparts is dark brown, margined with buff.

These four species may be distinguished as follows :—

- I. Back of the neck and mantle olive-brown or dark brown, margined with white or pale buff.
 - A. Feathers on the chest buff, with a wide brownish-black stripe down the middle. Terminal part of the inner webs of the inner primaries buff. A patch of black feathers above the gape.
 - a. Top of the head and ground-colour of the upper parts reddish or olive-brown; feathers of the mantle widely margined all round with whitish buff *F. clappertoni*.
 - b. Top of the head and ground-colour of the rest of the upper parts rich dark brown; the feathers of the mantle narrowly margined on the sides with white *F. gedgii*.

- B. Feathers on the chest dark brown, narrowly margined with buffy white. Terminal part of the inner webs of the inner primaries dark brown, marked and barred with buff and rust. Feathers above the gape white *F. rueppelli*.
- II. Back of the neck and mantle ashy brown, spotted with fulvous and black *F. hartlaubi*.

3. *FRANCOLINUS ELGONENSIS*, sp. nov.

In 'The Ibis' for 1890 (p. 317) I published some notes on *Francolinus garipeensis*, Smith, and its allies—a group to which I added a new species, *F. shelleyi*. The present Francolin makes one more of the same section.

Adult female. Most nearly allied to *F. shelleyi*, from which it differs in having the head black, each feather being edged with rufous; the fore part, sides, and back of the neck and nape, between the upper black and white stripes, rufous-chestnut, each feather ornamented with a round terminal black spot; superciliary stripes and the sides of the nape between the upper and lower black and white stripes buff. The feathers of the back and rest of upper parts rich black, edged and barred with sandy brown and buff, and with the buff shaft-stripes much reduced in width. The chest and breast-feathers either chestnut with a subterminal wavy black bar, or chestnut on the outer web and buff barred with black on the inner; the belly and rest of underparts black, tipped and barred with buff mixed with rufous. The primaries and the inner secondaries bright chestnut, barred and mottled with black towards the tip; and the outer secondaries dark brown, with regular narrow bars of buff and rufous on both webs. Wing 6·9 inches, tail 3·2, tarsus 1·8.

Mr. Jackson's notes are as follows:—

"♀ adult. Irides brown. Bill dusky horn, lower mandible fading into white horn at base. Legs pale yellowish white. Shot out of a flock of four at 11,000 feet, Elgon, 15. ii. 90. Think it is the same kind as seen on Mau at 9000 feet."

4. *FRANCOLINUS STREPTOPHORUS*, sp. nov.

This species is not very nearly allied to any known to me, nor does it conveniently fall into any of the known groups;

but it comes closest, on the whole, to *F. granti* and its allies (see Grant, Ibis, 1890, p. 345).

Of this new bird there are four examples—a young and an adult female and two fully adult males. The plumage of both sexes on the head, back, wings, rump, and tail closely resembles that of *F. granti* already described by me in the above-mentioned paper; but the mantle and upper chest (of which the feathers are barred with black and white), and the chestnut nape, sides of the neck, sides of the throat, cheeks, lores, and superciliary stripe, distinguish the present species at a glance from every other known Francolin. Moreover, the feathers of the lower back, rump, and scapulars are largely blotched on one or both webs with rich brown; the superciliary stripe and the hinder part of the chestnut cheek and side of throat are edged above with white. The chin and throat are also white, some of the feathers round the edges tipped with chestnut. The lower chest and rest of underparts are pale buff, the former crossed with wavy black bars only, and the latter, especially on the sides and flanks, with large oblong black blotches on one or both webs of the feathers, and wavy bars of the same colour.

Neither sex bears any trace of a spur.

♂. Wing 6·2 inches, tail 2·7, tarsus 1·55.

♀. Wing 5·9 inches, tail 2·5, tarsus 1·5.

The following are Mr. Jackson's notes:—

“Irides bright brown. Bill dusky; gape and base of lower mandible yellow. Legs dull yellow. Noticed in pairs or singly, and first seen at S. foot of Elgon, 1. iii. 90.”

5. *LOPHOCEROS JACKSONI*, sp. nov.

This very distinct species of Hornbill, of which only one adult specimen was obtained in Suk, north of Kavirondo, is most nearly allied to *L. deckeni* (Cab.) from Teita and Lamu, but may be at once distinguished by having the wing-coverts ornamented with subterminal oval white spots, these coverts being uniform black in *L. deckeni*.

Total length 19·5 inches, wing 7·5, tail 8·6, tarsus 1·5.

The specimen is labelled:—

“♂. Torquel, Suk. 27. xii. 89.” (*F. J. Jackson.*)